(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 20 October 2005 (20.10.2005)

(10) International Publication Number WO 2005/096709 A3

- (51) International Patent Classification: *C07D 223/28* (2006.01) *C07D 223/22* (2006.01)
- (21) International Application Number:

PCT/IN2005/000077

- (22) International Filing Date: 10 March 2005 (10.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

304/MUM/2004 11 March 2004 (11.03.2004) IN

- (71) Applicant (for all designated States except US): SUN PHARMACEUTICAL INDUSTRIES LIMITED [IN/IN]; ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (E), MUMBAI 400 059 (IN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MUTHUKU-MARAN, Mandakini [IN/IN]; SUN PHARMA AD-VANCED RESEARCH CENTRE, AKOTA ROAD, AKOTA, BARODA 390020 (IN). NATARAJAN, Muthukumaran [IN/IN]; SUN PHARMA ADVANCED RESEARCH CENTRE, AKOTA ROAD, AKOTA, BARODA 390020 (IN). THENNATI, Rajamannar [IN/IN]; SUN PHARMA ADVANCED RESEARCH CENTRE, AKOTA ROAD, AKOTA, BARODA 390020 (IN).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report
- (88) Date of publication of the international search report: 27 April 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A PROCESS FOR THE PREPARATION OF 10,11-DIHYDRO-10-OXO-5H-DIBENZ[B,F]AZEPINE-5-CARBOX-AMIDE

(57) Abstract: A process for preparing 10,11-dihydro-10-oxo-5H-dibenz[b,f]azepine-5- carboxamide, compound of formula (I), said process comprising a. reacting compound of formula (Ivb) with alkali metal methoxide to yield compound of formula (II); and b. converting compound of formula (II) to compound of formula (I).